

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A system for drilling bore holes in the earth comprising:
a drilling rig having a power source attached to a rotateable pipe container ~~having a nonvertical axis of rotation;~~
a drill pipe that is flexible and is attached to and retainable in said rotateable pipe container, and:
said rotateable pipe container having an aperture therein and an axis of rotation oriented to rotate said drill pipe about a longitudinal axis when through which an end of said drill pipe may be extended and retrieved through said aperture;
a drill bit attached to said end of said drill pipe; and
a drive mechanism adjacent to said aperture for receipt and movement of said drill pipe therethrough.

Claim 2 (original): The system as in claim 1 wherein said drill pipe comprising:
an inner conduit having a wire coil located coaxially around said inner conduit.

Claim 3 (original): The system as in claim 2 wherein said wire coil having a plurality of wire coil elements oriented at an angle nonorthogonal to a drill pipe axis.

Claim 4 (original): The system as in claim 3 wherein a second wire coil is located coaxially around said wire coil.

Claim 5 (original): The system as in claim 4 wherein said second wire coil having a plurality of second wire coil elements oriented at an angle nonorthogonal to said drill pipe axis.

Claim 6 (original): The system as in claim 5 wherein there is a plurality of wires positioned intermediate said coil element and said second coil element and said wires are oriented generally longitudinally relative to said drill pipe axis.

Claim 7 (original): The system as in claim 6 wherein said drill pipe has a coupling attached at each end.

Claim 8 (original): The system as in claim 1 wherein said drive mechanism comprising:
a rotating gear mechanism driving a generally continuous loop chain;
a plurality of drive blocks attached at each side to said loop chain;
each drive block having a pipe trough formed therein with a plurality of ridges formed therein for engagement with a wire coil of said drill pipe; and
a guide trough positioned opposite said drive blocks.

Claim 9 (original): The system as in claim 1 wherein there is a conduit positioned adjacent said drive mechanism for receipt of said drill pipe.

Claim 10 (original): The system as in claim 9 wherein said conduit having a rotation connector.

Claim 11 (original): The system as in claim 1 wherein said drive mechanism comprising:
a plurality of rotating gear mechanisms positioned for engagement with a wire coil of said drill pipe to move said drill pipe through said drive mechanism.

Claim 12 (original): The system as in claim 1 wherein said drill pipe comprising a coiled flexible tubing.

Claim 13 (original): The system as in claim 12 wherein said rotateable pipe container is a reel and said aperture is located in a tube guide having a tube aperture at an end thereof.

Claim 14 (original): The system as in claim 13 wherein said tube guide is supported by a tube guide support attached to said reel at a reel axis and a guide support arm attached to said reel axis.

Claim 15 (original): The system as in claim 14 wherein said tube guide support and said guide support arm are attached to said reel axis by a rotating coupling.

Claim 16 (original): The system as in claim 12 wherein said drive mechanism is an injector unit.

Claims 17 through 22 (cancelled):

Claim 23 (original): A system for drilling bore holes in the earth comprising:
a drilling rig having a power source attached to a rotateable pipe container;
a drill pipe that is flexible and is attached to and retainable in said rotateable pipe container, and said rotateable pipe container having an aperture therein through which an end of said drill pipe may be extended and retrieved;
a drill bit attached to said end of said drill pipe; and
a drive mechanism adjacent to said aperture for receipt and movement of said drill pipe therethrough wherein said drive mechanism comprising:
a rotating gear mechanism driving a generally continuous loop chain;
a plurality of drive blocks attached at each side to said loop chain;
each drive block having a pipe trough formed therein with a plurality of ridges formed therein for engagement with a wire coil of said drill pipe; and
a guide trough positioned opposite said drive blocks.

Claim 24 (original): A system for drilling bore holes in the earth comprising:
a drilling rig having a power source attached to a rotateable pipe container;
a drill pipe that is flexible comprising an inner conduit, a wire coil having a plurality of wire coil elements oriented at an angle nonorthogonal to a drill pipe axis located coaxially around said inner conduit, a second wire coil having a plurality of second wire coil elements oriented at an angle nonorthogonal to said drill pipe axis located coaxially around said wire coil, and a plurality of wires positioned intermediate said coil element and said second coil element and said wires are oriented generally longitudinally relative to said drill pipe axis;
said drill pipe attached to and retainable in said rotateable pipe container, and said rotateable pipe container having an aperture therein through which an end of said drill pipe may be extended and retrieved;
a drill bit attached to said end of said drill pipe; and
a drive mechanism adjacent to said aperture for receipt and movement of said drill

pipe therethrough wherein said drive mechanism comprising:

- a rotating gear mechanism driving a generally continuous loop chain;
- a plurality of drive blocks attached at each side to said loop chain;
- each drive block having a pipe trough formed therein with a plurality of ridges formed therein for engagement with a wire coil of said drill pipe; and
- a guide trough positioned opposite said drive blocks.

Claim 25 (original): A system for drilling bore holes in the earth comprising:

- a drilling rig having a power source attached to a rotateable pipe container comprising a reel having a tube guide supported by a tube guide support attached to said reel at a reel axis and a guide support arm attached to said reel axis, and said tube guide support and said guide support arm are attached to said reel axis by a rotating coupling;

- a drill pipe comprising a coiled flexible tube that is attached to and retainable in said rotateable pipe container, and said tube support guide having an aperture therein through which an end of said drill pipe may be extended and retrieved;

- a drill bit attached to said drill pipe; and

- a drive mechanism adjacent to said aperture for receipt and movement of said drill pipe therethrough.

Claim 26 (previously presented) The system as in claim 25 wherein there is a conduit positioned adjacent said drive mechanism for receipt of said drill pipe.

Claim 27 (previously presented) The system as in claim 26 wherein said conduit having a rotation connector.